10/552,107 Serial No.: Case No .: MS0038Y

Page

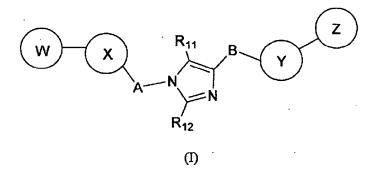
AMENDMENTS TO THE CLAIMS

Please amend the claims as follows. This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claims 1-20 (Canceled)

21. (New) A compound of the Formula (I):



wherein:

X is pyridyl;

Y is arvl:

X is optionally substituted with 1-7 independent halogen, -CN, NO₂, -C₁₋₆alkyl, -C₁₋₆alkenyl, -C₁₋₆alkynyl, -OR¹, -NR¹R², -C(=NR¹)NR²R³, -N(=NR¹)NR²R³, - $NR^{1}COR^{2}$, $-NR^{1}CO_{2}R^{2}$, $-NR^{1}SO_{2}R^{4}$, $-NR^{1}CONR^{2}R^{3}$, $-SR^{4}$, $-SO_{2}R^{4}$, $-SO_{2}NR^{1}R^{2}$, -COR1, -CO₂R1, -CONR1R2, -C(=NR1)R2, or -C(=NOR1)R2 substituents, wherein optionally two substituents are combined to form a cycloalkyl or heterocycloalkyl ring fused to X; wherein the -C1-6alkyl substituent, cycloalkyl ring, or heterocycloalkyl ring each optionally is further substituted with 1-5 independent halogen, -CN, -C1-6alkyl, -O(C0-6alkyl), -O(C3-7cycloalkyl), -O(aryl), $-N(C_{0-6}alkyl)(C_{0-6}alkyl)$, $-N(C_{0-6}alkyl)(C_{3-7}cycloalkyl)$, or $-N(C_{0-6}alkyl)(aryl)$ groups;

Y is optionally substituted with 1-7 independent halogen, -CN, NO₂, -C₁-6alkyl, -C1-6alkenyl, -C1-6alkynyl, -OR5, -NR5R6, -C(=NR5)NR6R7, -N(=NR5)NR6R7, -NR5COR6, -NR5CO₂R6, -NR5SO₂R8, -NR5CONR6R7,-SR8, -SO₈R8, -SO₂NR5R6, -COR5, -CO₂R5, -CONR5R6, -C(=NR5)R6, or -C(=NOR5)R6 substituents, wherein optionally two substituents are combined to form a cycloalkyl or heterocycloalkyl ring fused to Y; wherein the -C1-6alkyl substituent, cycloalkyl ring, or heterocycloalkyl ring each optionally is further

Serial No.: 10/552,107 Case No.: MS0038Y

Page

substituted with 1-5 independent halogen, -CN, -C1-6alkyl, -O(C0-6alkyl), -O(C3-7cycloalkyl), -O(aryl), $-N(C_0-6alkyl)(C_0-6alkyl)$, $-N(C_0-6alkyl)(C_3-7cycloalkyl)$, or $-N(C_0-6alkyl)(aryl)$ groups;

W is -C3-7cycloalkyl, -heteroC3-7cycloalkyl, -C0-6alkylaryl, or -C0-6alkylheteroaryl optionally substituted with 1-7 independent halogen, -CN, NO2, -C1-6alkyl, $-C_{1}-6 alkenyl, -C_{1}-6 alkynyl, -OR^{1}, -NR^{1}R^{2}, -C (=NR^{1})NR^{2}R^{3}, -N (=NR^{1})NR^{2}R^{3}. -N (=NR^{1})NR^{2}R^{3} -N (=NR^{1})NR^$ $NR_{1}COR_{2}$, $-NR_{1}CO_{2}R_{2}$, $-NR_{1}SO_{2}R_{4}$, $-NR_{1}CONR_{2}R_{3}$, $-SR_{4}$, $-SOR_{4}$, $-SO_{2}R_{4}$, $-SO_{2}NR_{1}R_{2}$, -COR1, -CO₂R1, -CONR1R2, -C(=NR1)R2, or -C(=NOR1)R2 substituents;

Z is -C3-7cycloalkyl, -heteroC3-7cycloalkyl, -C0-6alkylaryl, or -C0-6alkylheteroaryl optionally substituted with 1-7 independent halogen, -CN, NO2, -C1-6alkyl, $-C_{1-6} alkenyl, -C_{1-6} alkynyl, -OR^1, -NR^1R^2, -C (=NR^1)NR^2R^3, -N (=NR^1)NR^2, -N (=$ $NR^{1}COR^{2}$, $-NR^{1}CO_{2}R^{2}$, $-NR^{1}SO_{2}R^{4}$, $-NR^{1}CONR^{2}R^{3}$, $-SR^{4}$, $-SO_{2}R^{4}$, $-SO_{2}NR^{1}R^{2}$, -COR1, -CO₂R1, -CONR1R2, -C(=NR1)R2, or -C(=NOR1)R2 substituents;

one of W and Z is optionally absent;

R1, R2, and R3 each independently is -C0-6alkyl, -C3-7cycloalkyl, heteroaryl, or aryl; any of which is optionally substituted with 1-5 independent halogen, -CN, -C1-6alkyl, - $O(C_0-6alkyl), -O(C_3-7cycloalkyl), -O(aryl), -N(C_0-6alkyl)(C_0-6alkyl), -N(C_0-6alkyl)(C_3-6alkyl)(C_0-6alkyl), -N(C_0-6alkyl)(C_0-6alkyl)(C_0-6alkyl), -N(C_0-6alkyl)(C_0-6alkyl)(C_0-6alkyl)(C_0-6alkyl), -N(C_0-6alkyl)$ 7cycloalkyl), -N(C0-6alkyl)(aryl) substituents;

R4 is -C1-6alkyl, -C3-7cycloalkyl, heteroaryl, or aryl; optionally substituted with 1-5 independent halogen, -CN, -C1-6alkyl, -O(C0-6alkyl), -O(C3-7cycloalkyl), -O(aryl), -N(C₀-6alkyl)(C₀-6alkyl), -N(C₀-6alkyl)(C₃-7cycloalkyl), -N(C₀-6alkyl)(aryl) substituents;

A is -C0-4alkyl, -C0-2alkyl-SO-C0-2alkyl-, -C0-2alkyl-SO2-C0-2alkyl-, -C0- $2alkyl-CO-C_{0-2}alkyl-, -C_{0-2}alkyl-NR^{9}CO-C_{0-2}alkyl-, -C_{0-2}alkyl-NR^{9}SO_{2}-C_{0-2}alkyl- or-C_{0-2}alkyl-NR^{9}SO_{2}-C_{0-2}alkyl- or-C_{0-2}alkyl-NR^{9}SO_{2}-C_{0-2}alkyl- or-C_{0-2}alkyl-NR^{9}SO_{2}-C_{0-2}alkyl- or-C_{0-2}alkyl-NR^{9}SO_{2}-C_{0-2}alkyl- or-C_{0-2}alkyl- or-C_{0-2}alkyl$ heteroC₀₋₄alkyl;

R5, R6, and R7 each independently is -C0-6alkyl, -C3-7cycloalkyl, heteroaryl, or aryl; any of which is optionally substituted with 1-5 independent halogen, -CN, -C1-6alkyl, -O(C0-6alkyl), -O(C3-7cycloalkyl), -O(aryl), -N(C0-6alkyl)(C0-6alkyl), -N(C0-6alkyl)(C3-7cycloalkyl), -N(C0-6alkyl)(aryl) substituents;

R8 is -C1-6alkyl, -C3-7cycloalkyl, heteroaryl, or aryl; optionally substituted with 1-5 independent halogen, -CN, -C1-6alkyl, -O(C0-6alkyl), -O(C3-7cycloalkyl), -O(aryl), -N(C₀-6alkyl)(C₀-6alkyl), -N(C₀-6alkyl)(C₃-7cycloalkyl), -N(C₀-6alkyl)(aryl) substituents;

B is $-C_{0-4}$ alkyl, $-C_{0-2}$ alkyl $-S_{0-2}$ alkyl-, $-C_{0-2}$ $2alkyl-CO-C_{0-2}alkyl-, -C_{0-2}alkyl-NR^{10}CO-C_{0-2}alkyl-, -C_{0-2}alkyl-NR^{10}SO_{2}-C_{0-2}alkyl- or -C_{0-2}alkyl- or -C_{0-2}a$ -heteroC₀₋₄alkyl;

R9 and R10 each independently is -C0-6alkyl, -C3-7cycloalkyl, heteroaryl, or aryl; any of which is optionally substituted with 1-5 independent halogen, -CN, -C1-6alkyl, -

Serial No.: 10/552,107 Case No.: MS0038Y

Page

O(C₀-6alkyl), -O(C₃-7cycloalkyl), -O(aryl), -N(C₀-6alkyl)(C₀-6alkyl), -N(C₀-6alkyl)(C₃-7cycloalkyl), -N(C₀-6alkyl)(aryl) substituents;

 R^{11} and R^{12} is each independently halogen, $-C_0$ -6alkyl, $-C_0$ -6alkoxyl, =O, $=N(C_0$ -4alkyl), or $-N(C_0$ -4alkyl)(C_0 -4alkyl); and

any alkyl optionally substituted with 1-5 independent halogen substituents, and any N may be an N-oxide; or a pharmaceutically acceptable salt thereof.

22. (New) The compound of Claim 21 wherein:

X is 2-pyridyl, which is optionally substituted with 1-4 independent halogen, -CN, NO₂, -C₁-6alkyl, -C₁-6alkynyl, -C₁-6alkynyl, -OR¹, -NR¹R², -C(=NR¹)NR²R³, -N(=NR¹)NR²R³, -NR¹COR², -NR¹CO₂R², -NR¹SO₂R⁴, -NR¹CONR²R³, -SR⁴, -SOR⁴, -SO₂R⁴, -SO₂NR¹R², -COR¹, -CO₂R¹, -CONR¹R², -C(=NR¹)R², or -C(=NOR¹)R² substituents, wherein optionally two substituents are combined to form a cycloalkyl or heterocycloalkyl ring fused to X; wherein the -C₁-6alkyl substituent, cycloalkyl ring, or heterocycloalkyl ring each optionally is further substituted with 1-5 independent halogen, -CN, -C₁-6alkyl, -O(C₀-6alkyl), -O(C₃-7cycloalkyl), -O(aryl), -N(C₀-6alkyl)(C₀-6alkyl), -N(C₀-6alkyl), -N(C₀-6alkyl)(aryl) groups.

23. (New) The compound of Claim 22 wherein:

Y is phenyl, which is optionally substituted with 1-5 independent halogen, -CN, NO₂, -C₁-6alkyl, -C₁-6alkenyl, -C₁-6alkynyl, -OR⁵, -NR⁵R⁶, -C(=NR⁵)NR⁶R⁷, -N(=NR⁵)NR⁶R⁷, -NR⁵COR⁶, -NR⁵CO₂R⁶, -NR⁵SO₂R⁸, -NR⁵CONR⁶R⁷, -SR⁸, -SOR⁸, -SO₂R⁸, -SO₂NR⁵R⁶, -COR⁵, -CO₂R⁵, -CONR⁵R⁶, -C(=NR⁵)R⁶, or -C(=NOR⁵)R⁶ substituents, wherein optionally two substituents are combined to form a cycloalkyl or heterocycloalkyl ring fused to Y; wherein the -C₁-6alkyl substituent, cycloalkyl ring, or heterocycloalkyl ring each optionally is further substituted with 1-5 independent halogen, -CN, -C₁-6alkyl, -O(C₀-6alkyl), -O(C₃-7cycloalkyl), -O(aryl), -N(C₀-6alkyl)(C₀-6alkyl), -N(C₀-6alkyl), -N(C₀-6alkyl), or -N(C₀-6alkyl)(aryl) groups.

24. (New) The compound of Claim 21 wherein:

Z is $-C_0$ -6alkylaryl, or $-C_0$ -6alkylheteroaryl optionally substituted with 1-7 independent halogen, -CN, NO_2 , $-C_1$ -6alkyl, $-C_1$ -6alkynyl, $-C_1$ -6alkynyl, $-OR^1$, $-NR^1R^2$, $-C_1$ -6alkynyl, $-OR^1$, $-NR^1R^2$, $-C_1$ -6alkynyl, $-OR^1$, $-NR^1R^2$, $-NR^1CO_2R^2$, $-NR^1CO_2R^2$, $-NR^1SO_2R^4$, $-NR^1CONR^2R^3$, $-SR^4$, $-SO_2R^4$, $-SO_2NR^1R^2$, $-COR^1$, $-CO_2R^1$, $-CONR^1R^2$, $-C_1$ - $-C_2$ - $-C_2$ - $-C_3$ - $-C_4$ - $-C_4$ - $-C_4$ - $-C_5$ - $-C_4$ - $-C_5$ --C

Serial No.: 10/552,107 Case No.: MS0038Y

Page

25. (New) The compound of Claim 21 wherein:

W is $-C_0$ -6alkylaryl, or $-C_0$ -6alkylheteroaryl optionally substituted with 1-7 independent halogen, -CN, NO_2 , $-C_1$ -6alkyl, $-C_1$ -6alkenyl, $-C_1$ -6alkynyl, $-OR^1$, $-NR^1R^2$, $-C(=NR^1)NR^2R^3$, $-N(=NR^1)NR^2R^3$, $-NR^1COR^2$, $-NR^1CO_2R^2$, $-NR^1SO_2R^4$, $-NR^1CONR^2R^3$, $-SR^4$, $-SO_2R^4$, $-SO_2NR^1R^2$, $-COR^1$, $-CO_2R^1$, $-CONR^1R^2$, $-C(=NR^1)R^2$, or $-C(=NOR^1)R^2$ substituents.

26. (New) The compound of Claim 23 wherein:

Z is $-C_0$ -6alkylaryl, or $-C_0$ -6alkylheteroaryl optionally substituted with 1-7 independent halogen, -CN, NO_2 , $-C_1$ -6alkyl, $-C_1$ -6alkenyl, $-C_1$ -6alkynyl, $-OR^1$, $-NR^1R^2$, $-C(=NR^1)NR^2R^3$, $-N(=NR^1)NR^2R^3$, $-NR^1COR^2$, $-NR^1CO_2R^2$, $-NR^1SO_2R^4$, $-NR^1CONR^2R^3$, $-SR^4$, $-SO_2R^4$, $-SO_2NR^1R^2$, $-COR^1$, $-CO_2R^1$, $-CONR^1R^2$, $-C(=NR^1)R^2$, or $-C(=NOR^1)R^2$ substituents.

27. (New) The compound of Claim 23 wherein:

W is $-C_0$ -6alkylaryl, or $-C_0$ -6alkylheteroaryl optionally substituted with 1-7 independent halogen, -CN, NO_2 , $-C_1$ -6alkyl, $-C_1$ -6alkenyl, $-C_1$ -6alkynyl, $-OR^1$, $-NR^1R^2$, $-C(=NR^1)NR^2R^3$, $-N(=NR^1)NR^2R^3$, $-NR^1COR^2$, $-NR^1CO_2R^2$, $-NR^1SO_2R^4$, $-NR^1CONR^2R^3$, $-SR^4$, $-SO_2R^4$, $-SO_2NR^1R^2$, $-COR^1$, $-CO_2R^1$, $-CONR^1R^2$, $-C(=NR^1)R^2$, or $-C(=NOR^1)R^2$ substituents.

28. (New) A compound which is selected from the group consisting of:

2-[4-(4-pyridin-3-ylphenyl)-1H-imidazol-1-yl]pyridine;

1-[3-(1-pyridin-2-yl-1H-imidazol-4-yl)phenyl]-1H-pyrrolo[2,3-c]pyridine;

2-[4-(3-pyridin-3-ylphenyl)-1H-imidazol-1-yl]pyridine;

2-[2-fluoro-4-(4-pyridin-2-yl-1H-imidazol-1-yl)phenyl]pyridine;

2-[1-(3-methyl-5-pyridin-3-ylphenyl)-1H-imidazol-4-yl]pyridine;

3'-methyl-5'-(4-pyridin-2-yl-1H-imidazol-1-yl)-1,l'-biphenyl-2-carbonitrile or a pharmaceutically acceptable salt thereof.

Serial No.: 10/552,107 Case No.: MS0038Y

Page 6

29. (New) A compound which is selected from the group consisting of:

or a pharmaceutically acceptable salt thereof.

- 30. (New) A pharmaceutical composition comprising the compound of Claim 21, or a pharmaceutically acceptable salt thereof, and a pharmaceutically acceptable carrier.
- 31. (New) A pharmaceutical composition comprising the compound of Claim 28, or a pharmaceutically acceptable salt thereof, and a pharmaceutically acceptable carrier.
- 32. (New) A pharmaceutical composition comprising the compound of Claim 29, or a pharmaceutically acceptable salt thereof, and a pharmaceutically acceptable carrier.